**Hearing is believing**

**The challenge**

This 3-bedroom luxury apartment contained a number of different automation systems, which made whole home control far more complicated than it needed to be. Additionally, because the client required a hearing aid, he envisioned a home environment where all audio sources would broadcast through a hearing loop system and seamlessly change as he walked from room to room, without any interference from other zones.

**The solution**

The Smart Home Solutions team chose Crestron for its versatility and unique ability to combine other systems into a custom platform with a simple to operate interface.

Smart Home Solutions | Australia
TECHNOLOGY

The Crestron system provides control of virtually everything in the home: lighting, motorized blinds, motorized awnings, heated floors, air conditioning, toilets, audio, AV distribution and control, and hot water.

To address the client’s unique request for the audio, SHS utilized the Crestron C2N-AMP-6X100 multi-room audio system and AMP-2100 dual-channel amplifiers to power 7 speaker zones. All TVs had the audio stripped at the TV and backfed as a source to the amps. The house music amp was then linked to the Crestron Avia™ DSP-860 to provide a line level signal to each of the 6 hearing loop zones. This resulted in the hearing loop zone broadcasting whatever source was playing through the corresponding speaker zone. Each hearing loop amplifier was balanced to minimize spill and optimize volume.

The hearing loop was switched on whenever an audio source was activated in the corresponding room. The client also has the ability to switch the hearing loop off in each zone via a button on the Crestron HR-150-B handheld remotes.

RESULTS

Smart Home Solutions were able to provide a truly unique solution to a usual challenge. The custom hearing loop and audio system functioned exactly as designed and was user-friendly. Their specialist technicians seamlessly integrated multiple automation systems on the Crestron platform. According to the client, “Their work exceeded all expectations.”